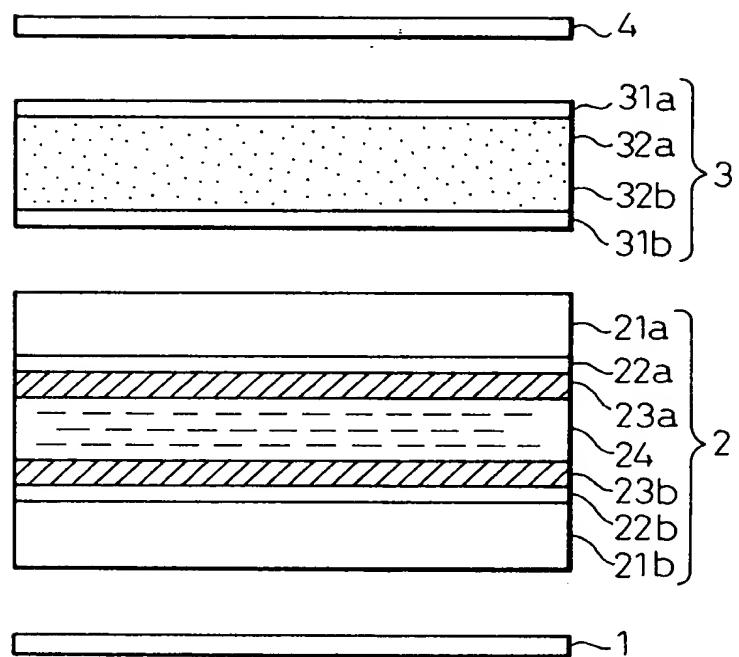


Fig. 1



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Fig. 2

EXPERIMENT NUMBER	1	2	3	4	5	6	7
UPPER (SECOND) POLARIZATION BOARD	+35° ~ +75°	+35° ~ +75°	+35° ~ +75°	+35° ~ +75°	+50°	+50°	+40°
TWISTED PHASE DIFFER- -ENCE BOARD	UPPER POLYMER MOLECULE	-70°	-80°	-80°	-80°	-80°	-100°
LIQUID CRYSTAL CELL	LOWER POLYMER MOLECULE	+70°	+60°	+60°	+60°	+60°	+60°
LOWER (FIRST) POLARIZATION BOARD	-30°	-30°	-30°	-30°	-30°	-30°	-30°
	+30°	+30°	+30°	+30°	+30°	+30°	+30°
	-15°	-15°	-15°	-15°	-5°	-10°	-15°
					-25°		

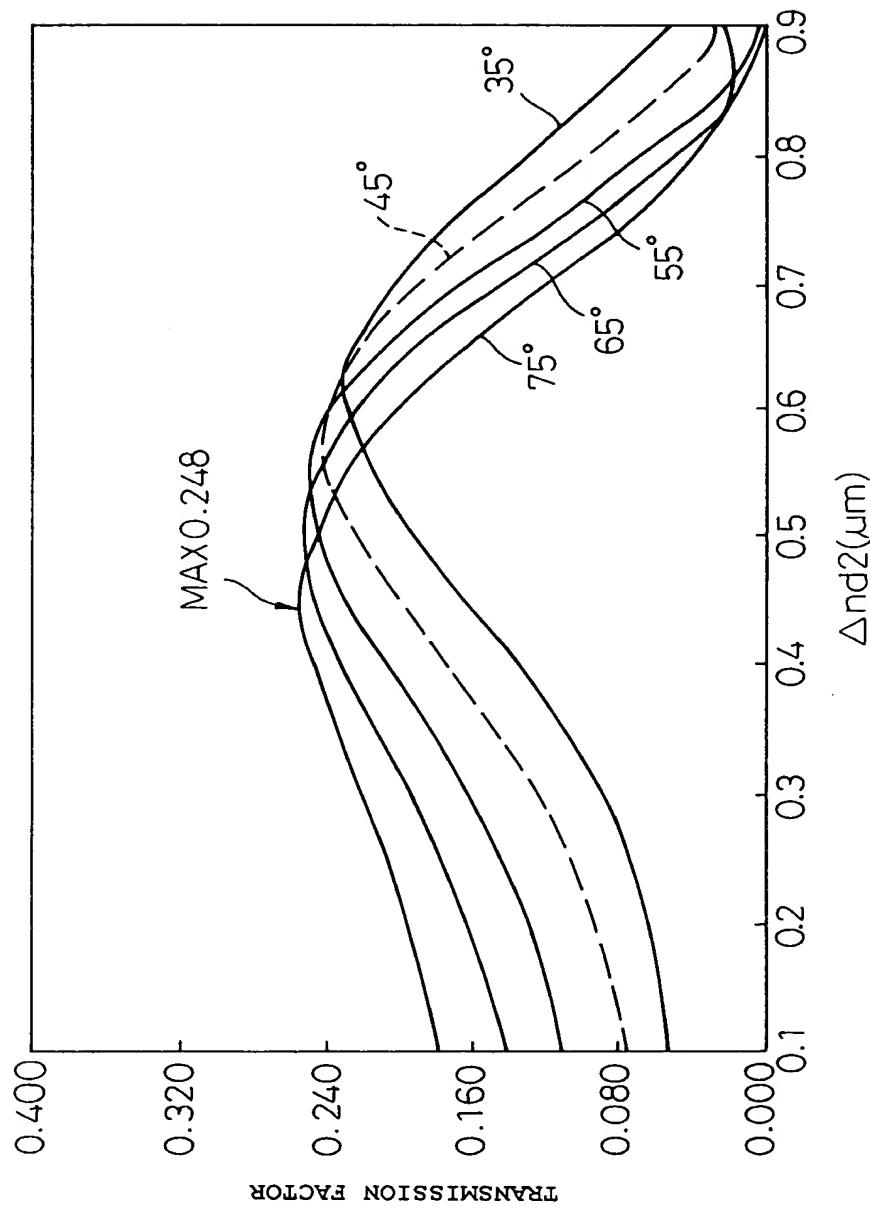
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Fig.3

EXPERIMENT NUMBER		FINAL 1	FINAL 2	FINAL 3
UPPER (SECOND) POLARIZATION BOARD		+ 45°	- 45°	+ 90°
TWISTED PHASE DIFER -ENCE BOARD	UPPER POLYMER MOLECULE	- 85°	- 85°	+ 50°
	LOWER POLYMER MOLECULE	+ 55°	+ 55°	+ 10°
LIQUID CRYSTAL CELL	UPPER LIQUID CRYSTAL MOLECULE	- 30°	- 30°	- 75°
	LOWER LIQUID CRYSTAL MOLECULE	+ 30°	+ 30°	- 15°
LOWER (FIRST) POLARIZATION BOARD		- 5°	+ 85°	+ 40°

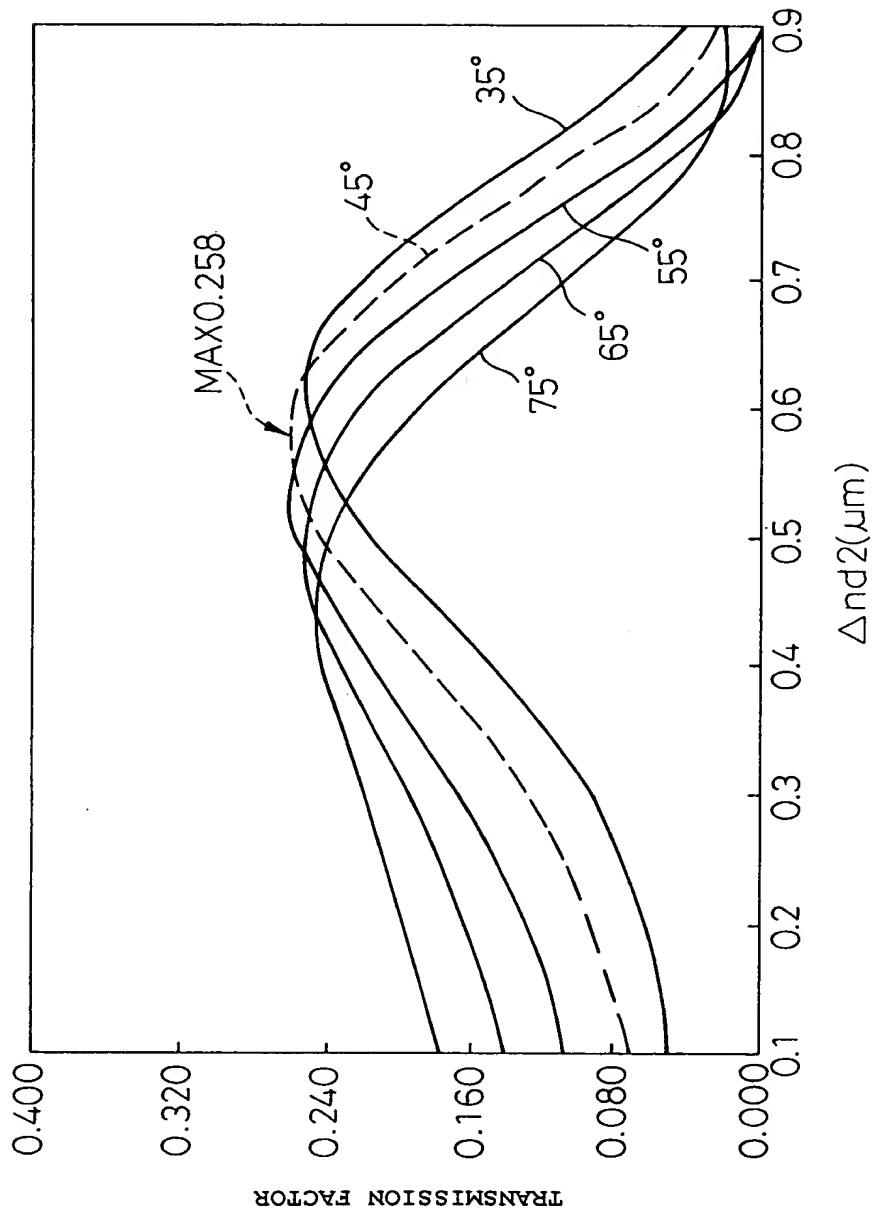
09/530008

Fig.4



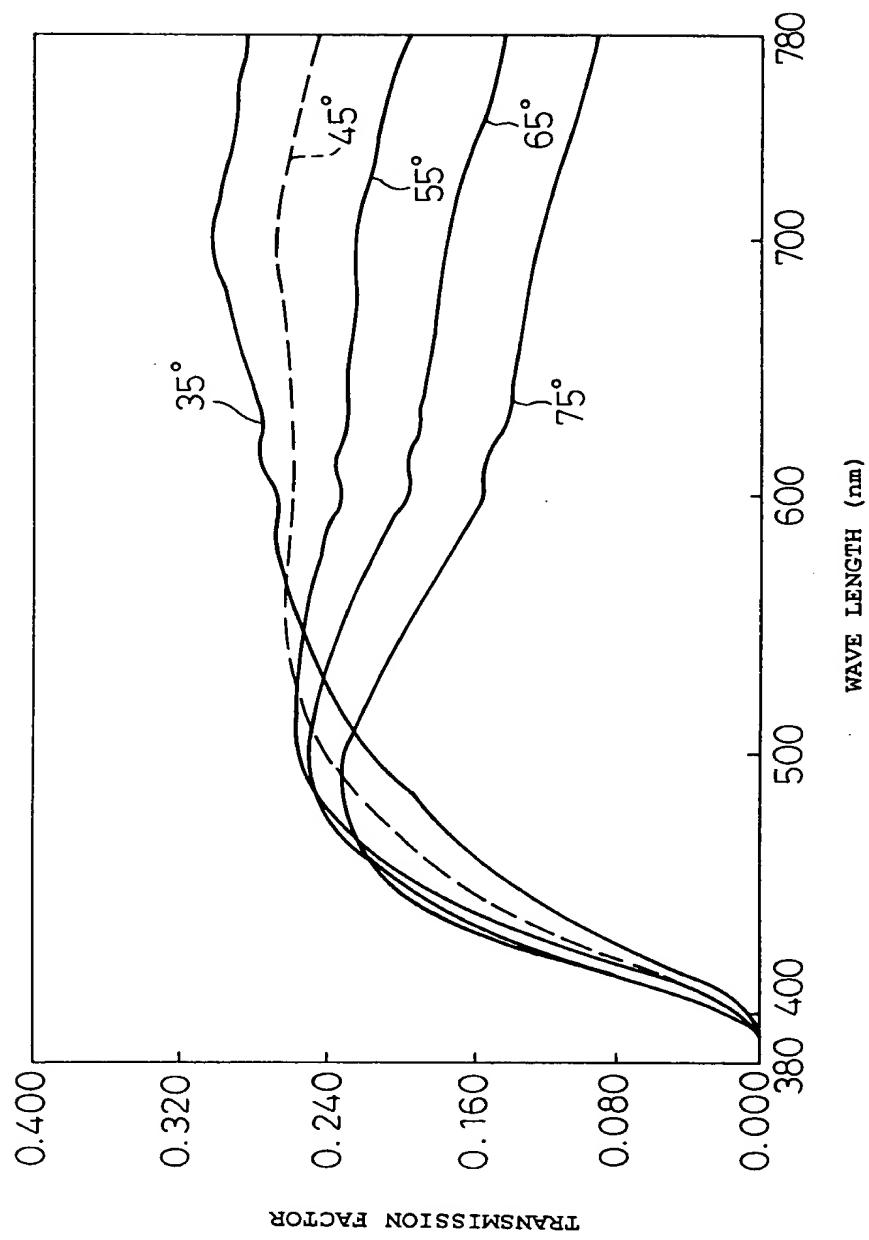
09/530008

Fig. 5



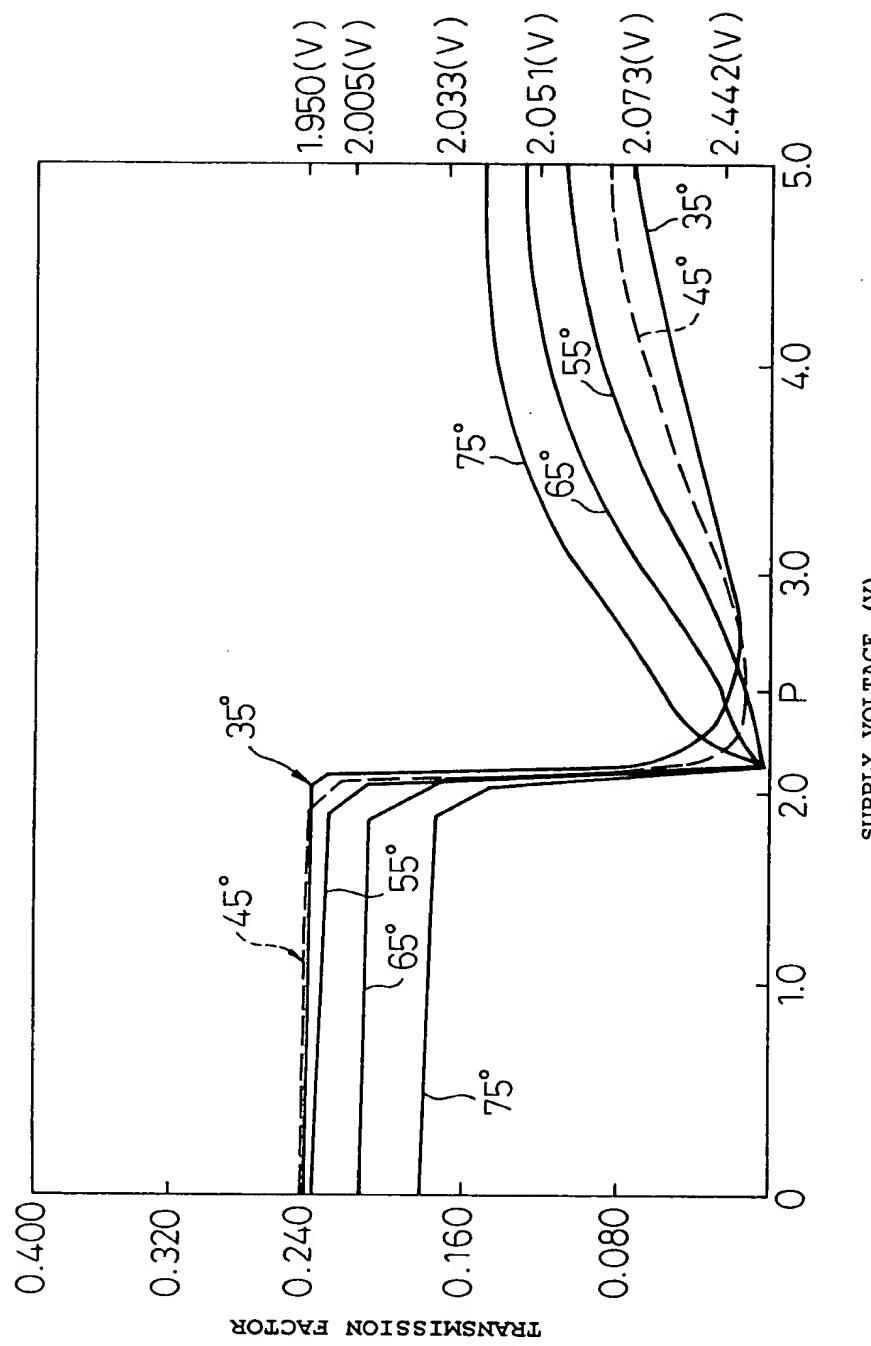
09/530008

Fig. 6



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Fig. 7



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Fig. 8

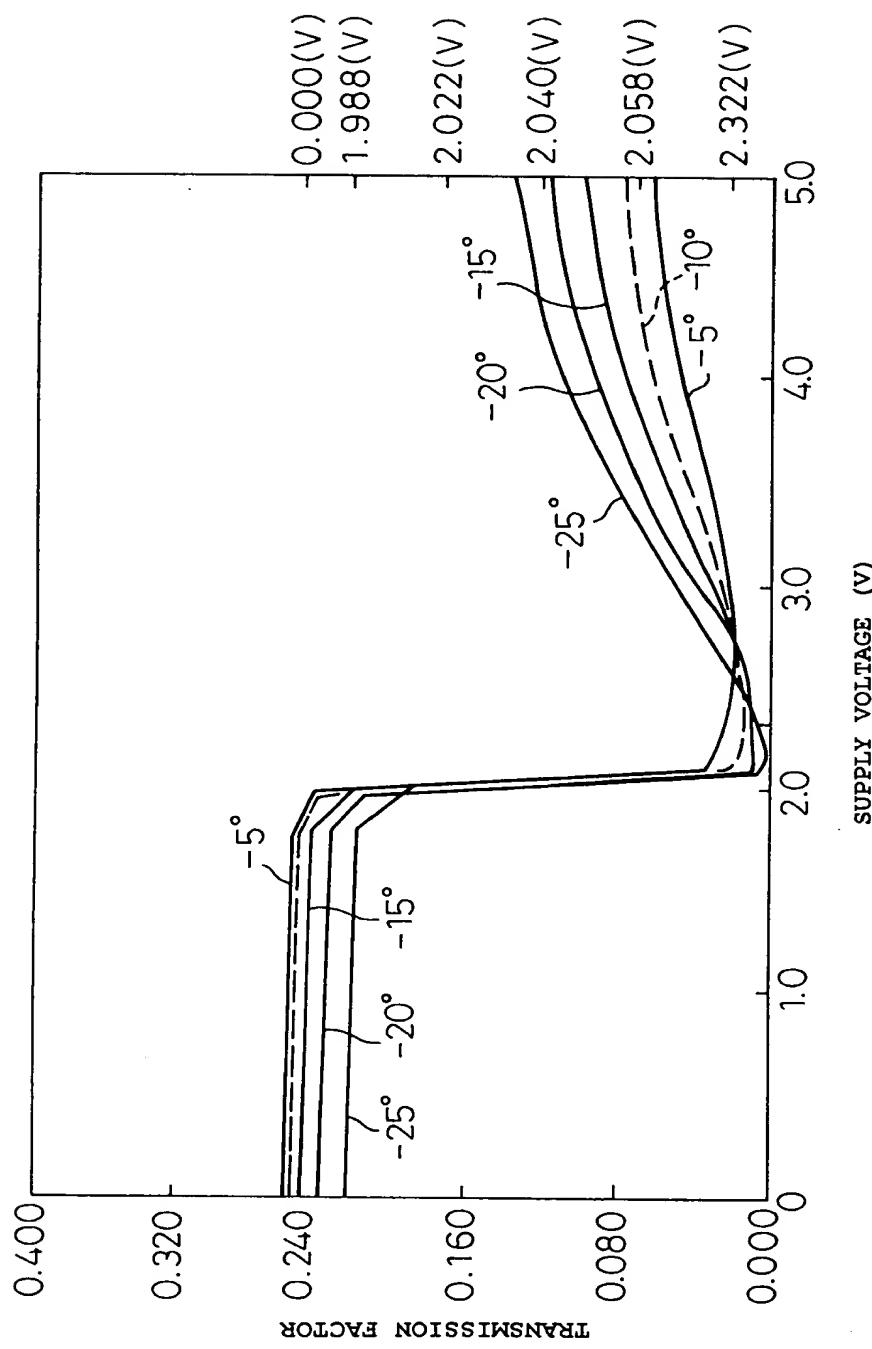
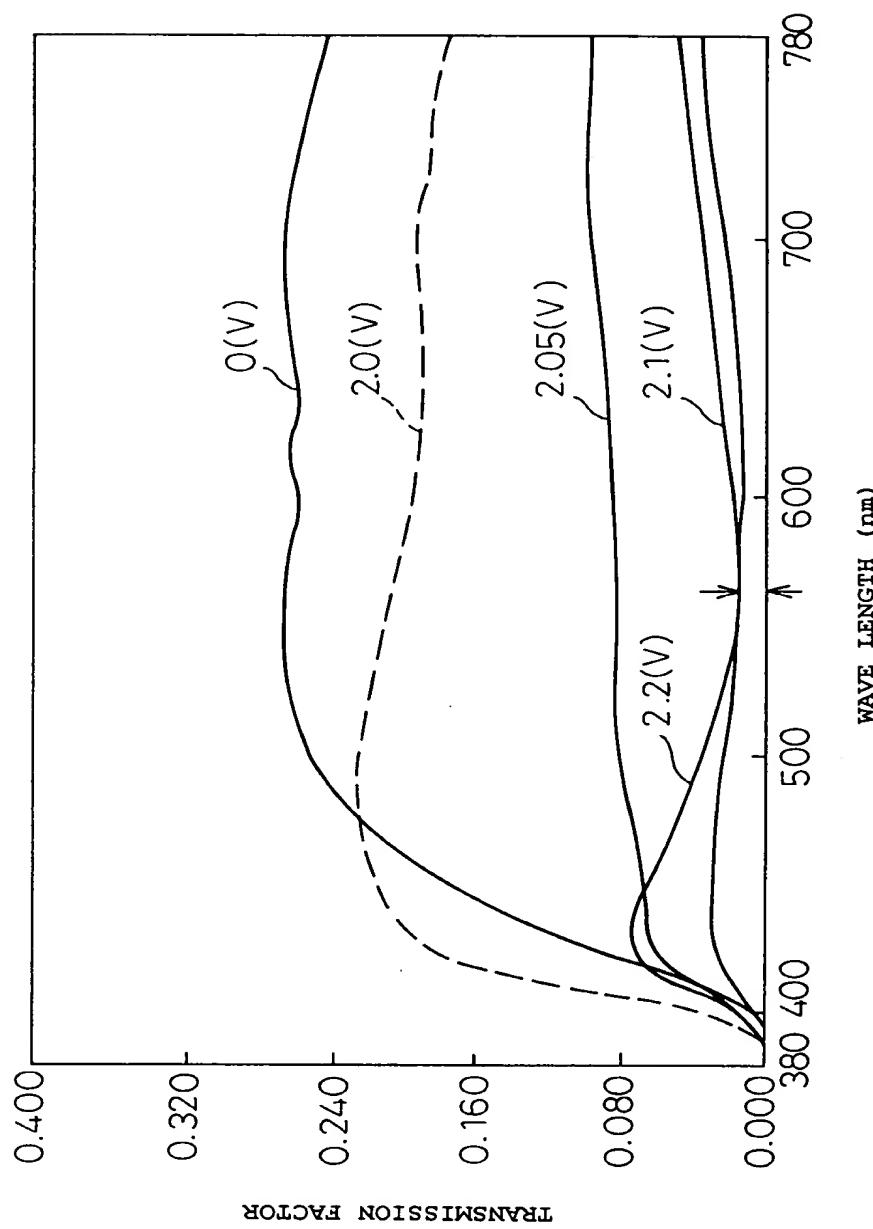
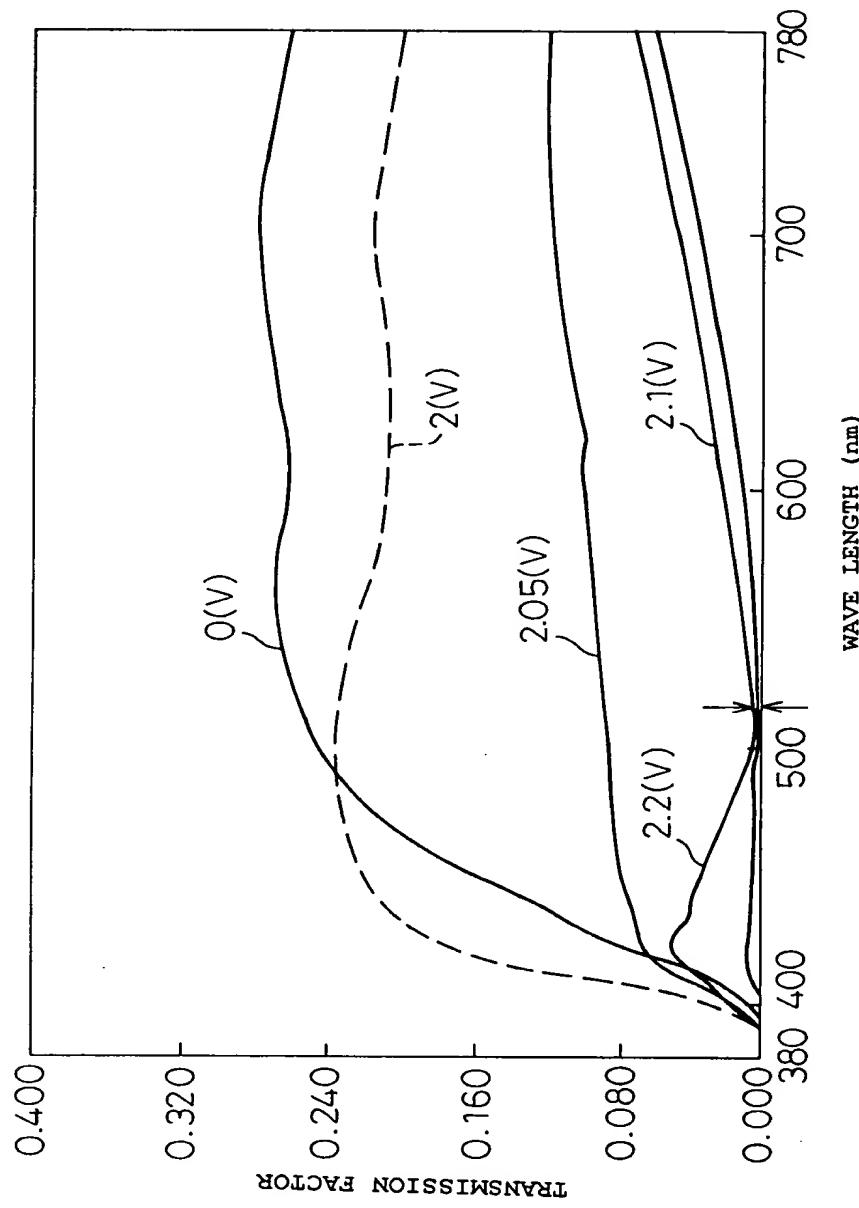


Fig. 9



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Fig.10



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Fig.11

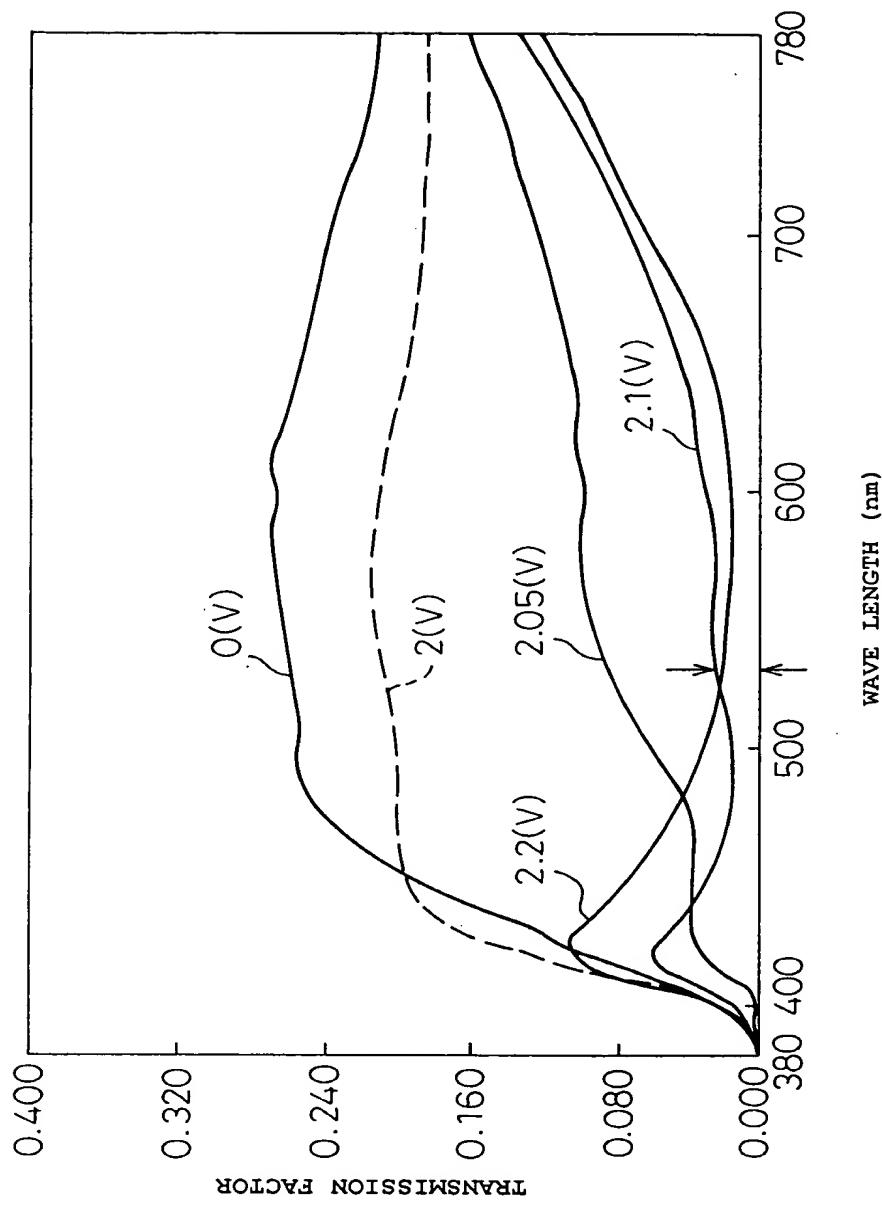


Fig. 12

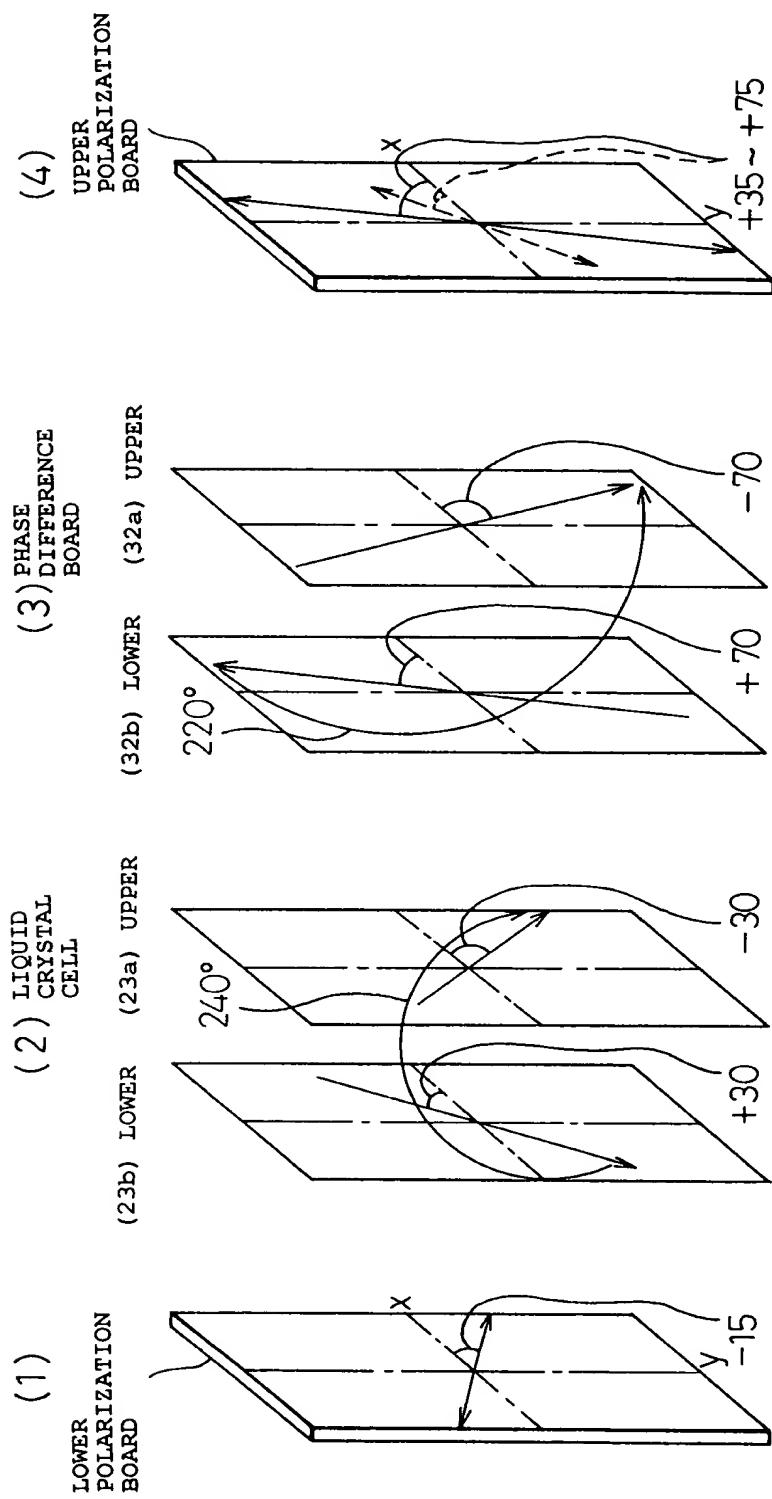


Fig. 13

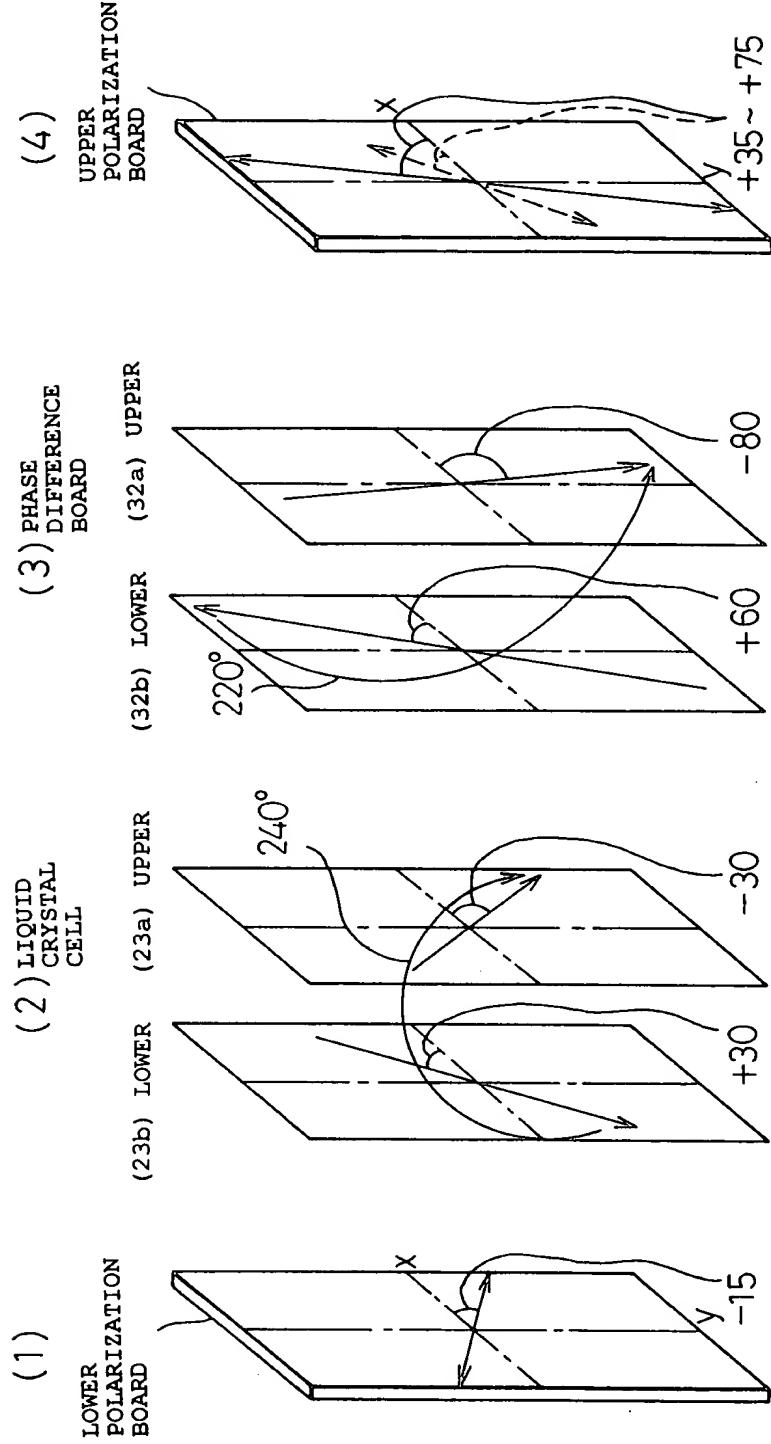


Fig. 14

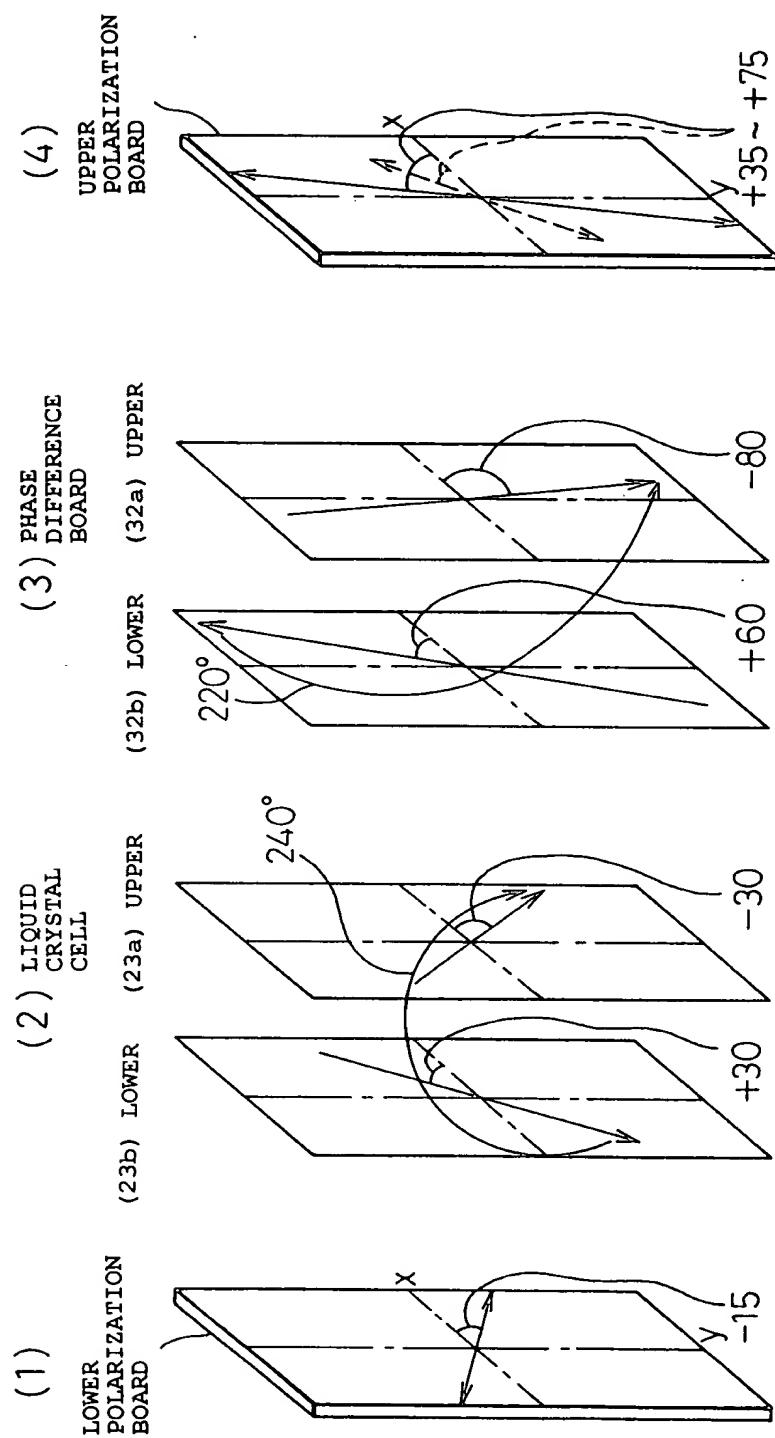
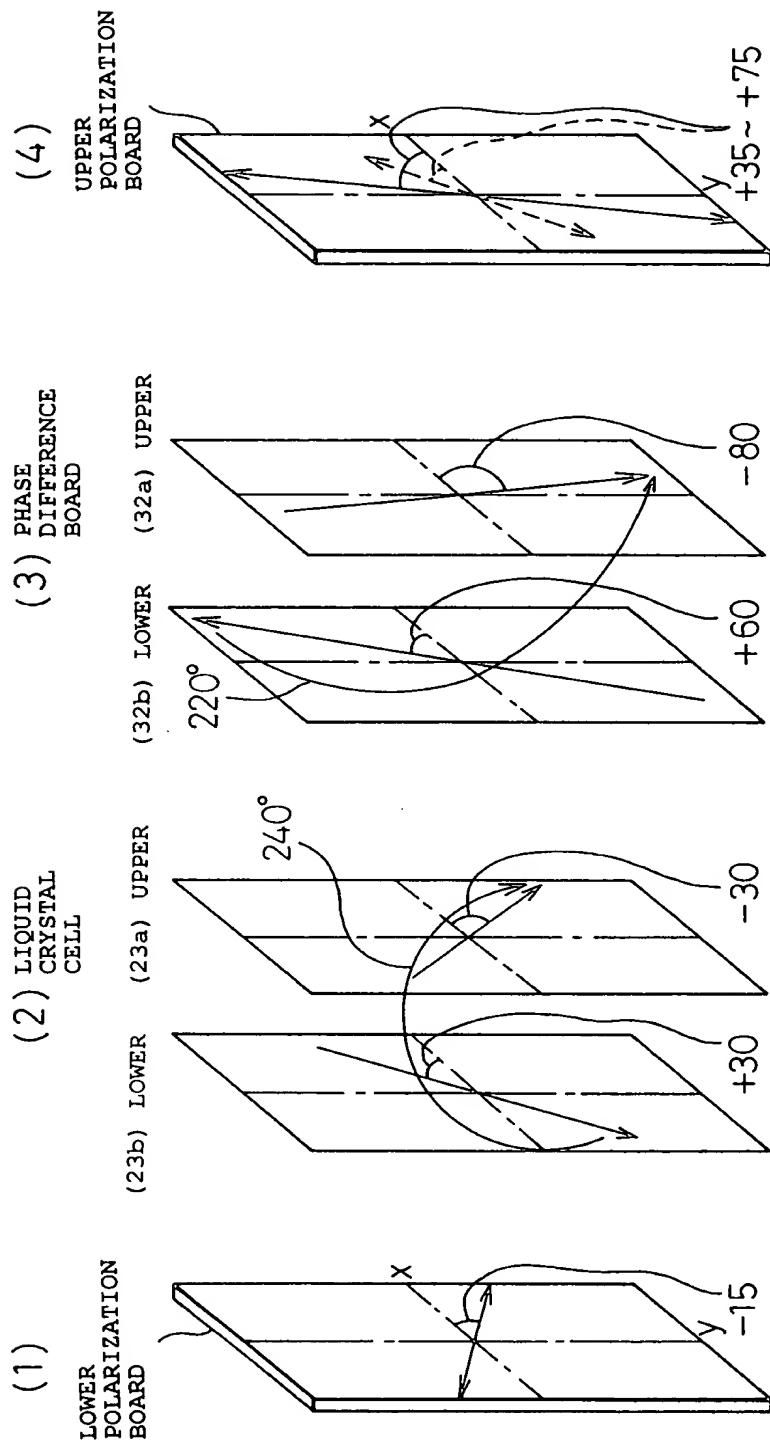
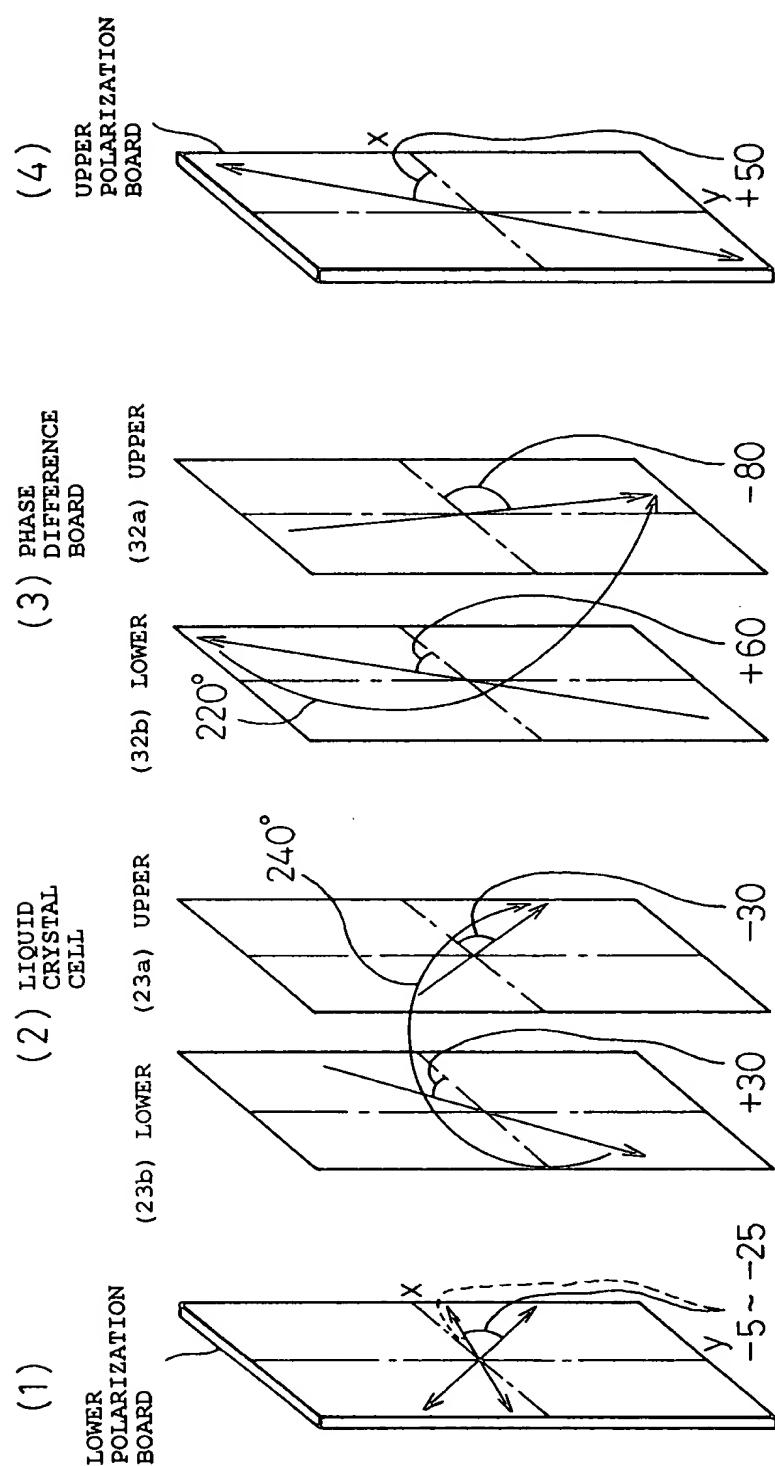


Fig. 15



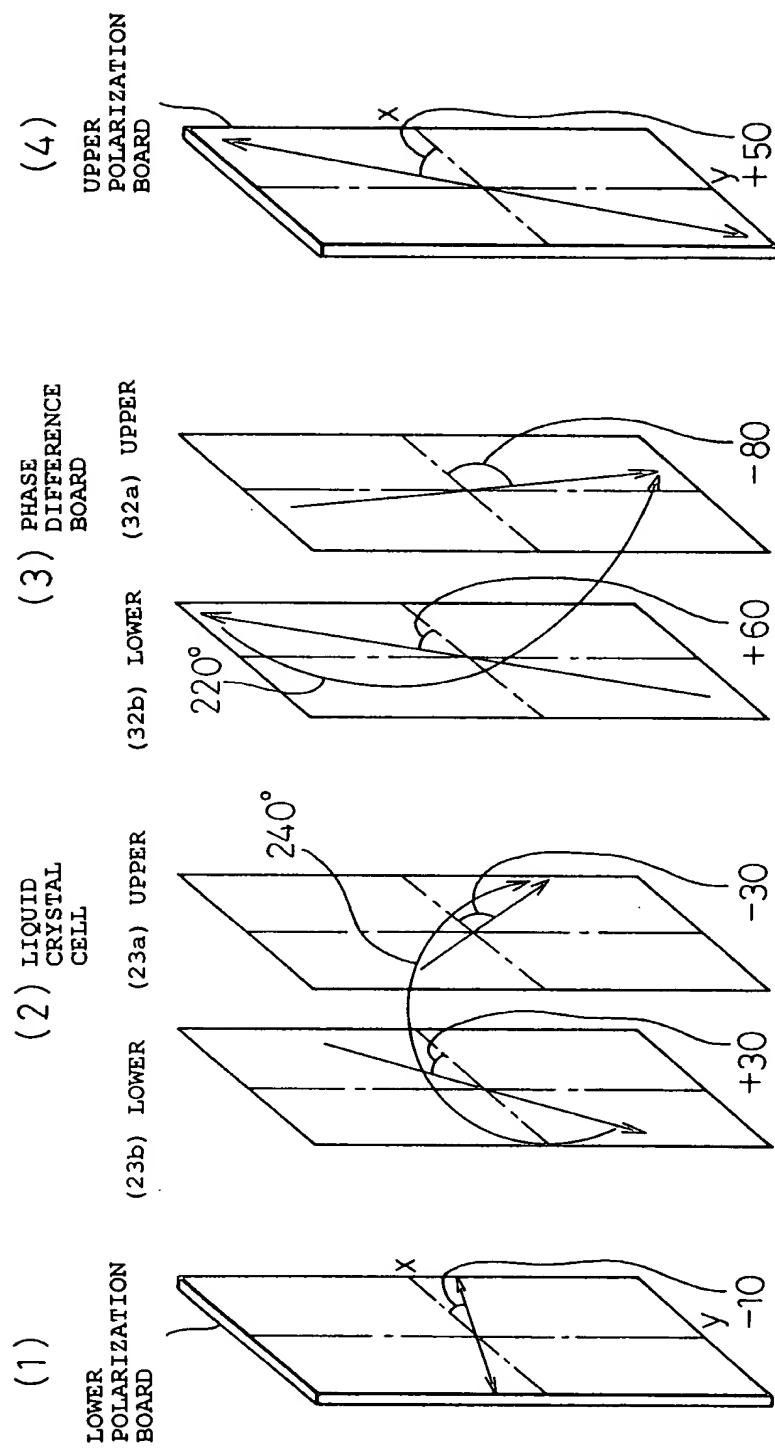
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Fig. 16



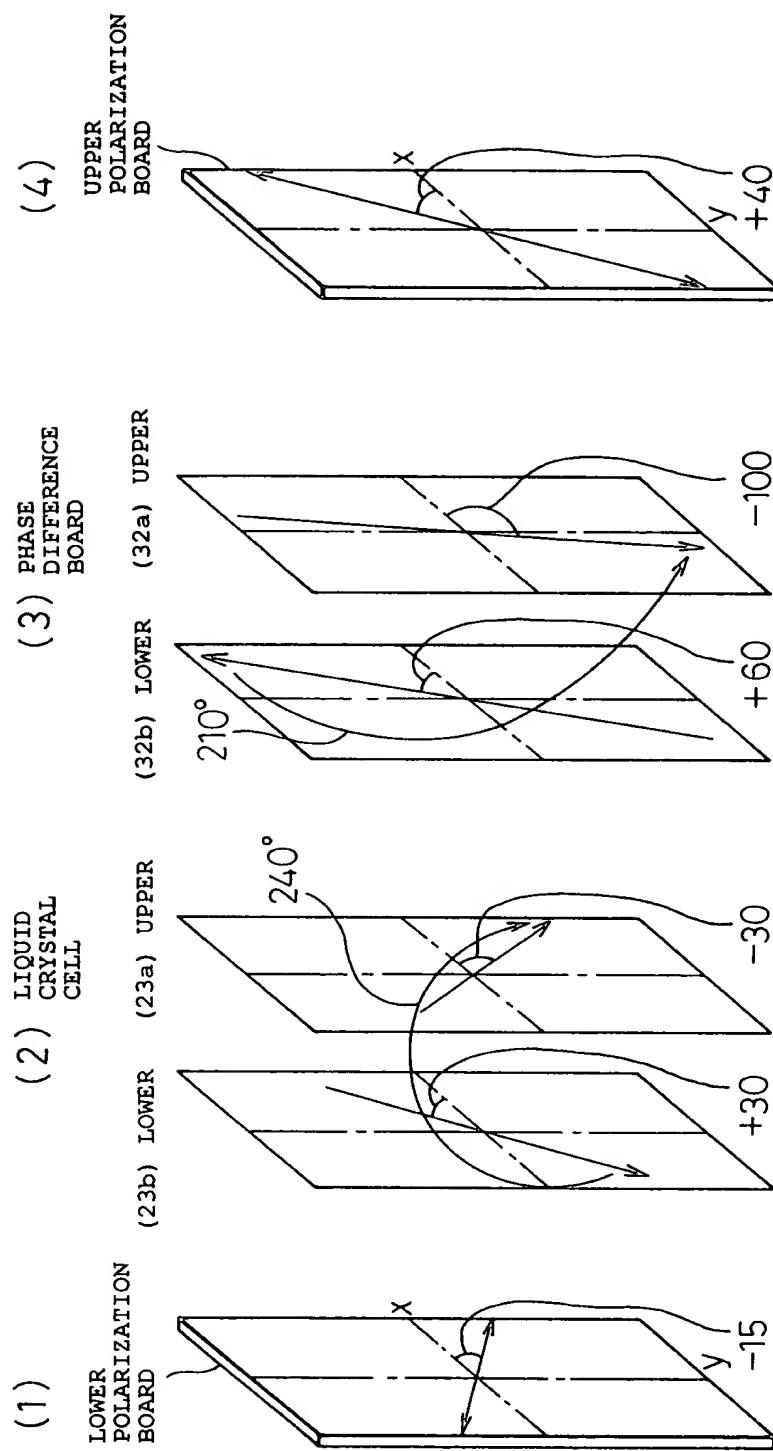
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Fig. 17



09/530002

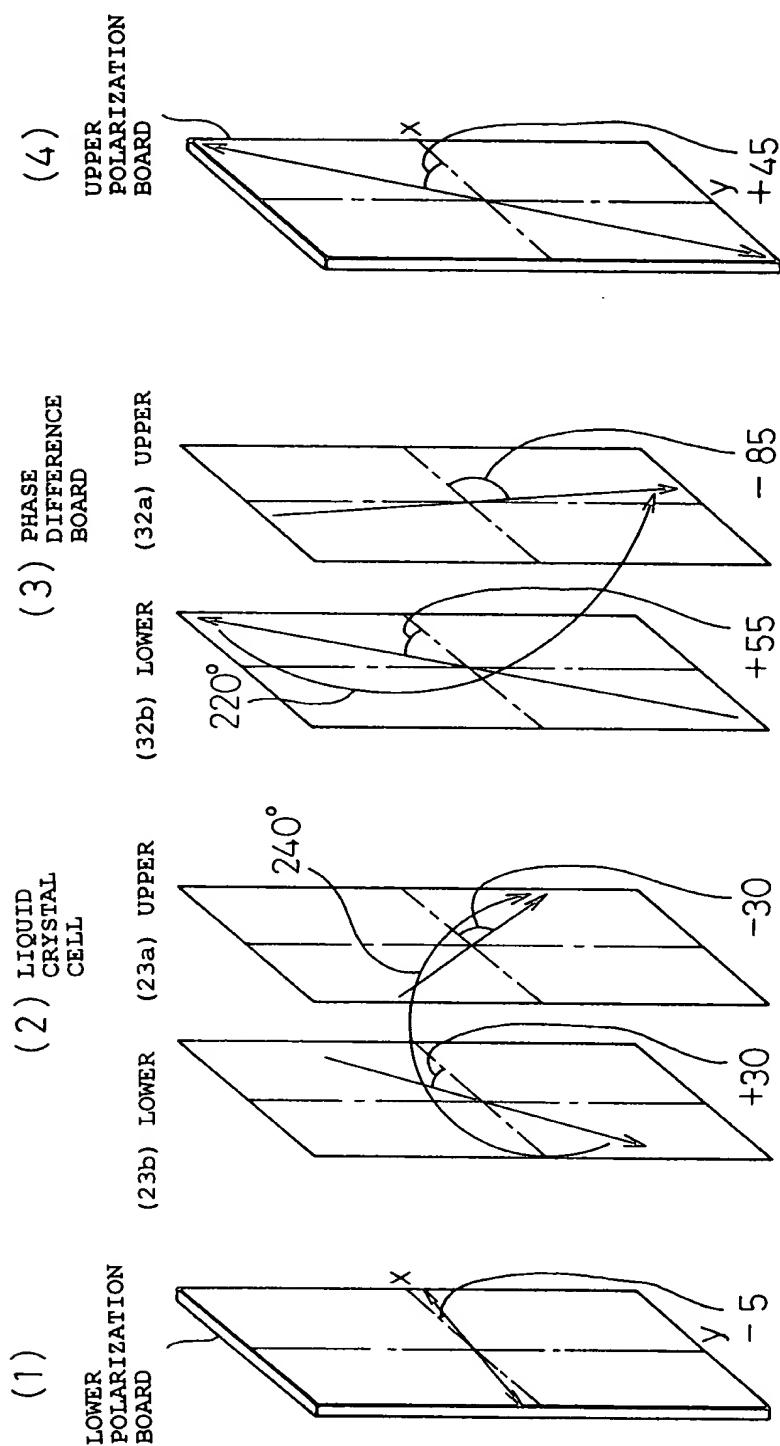
Fig. 18



~~18/30~~

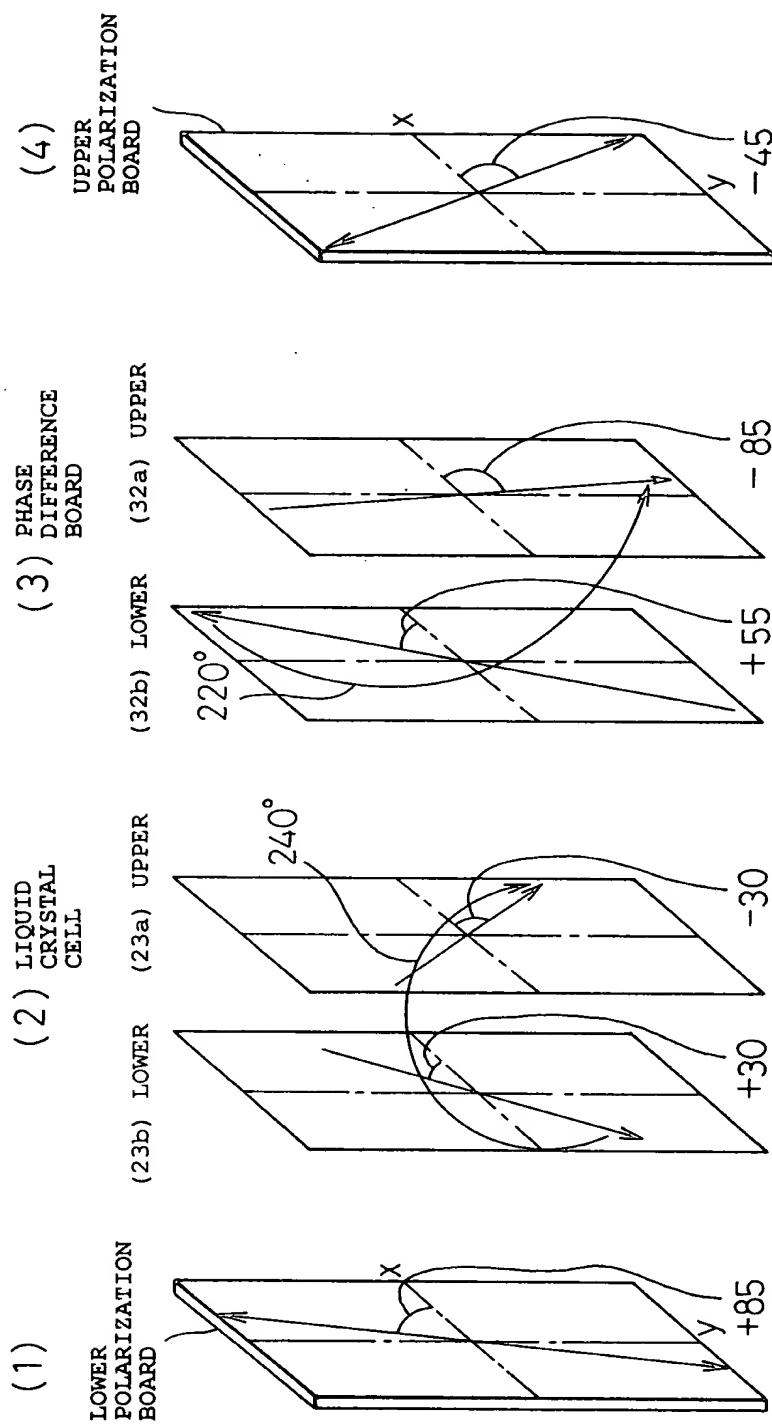
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Fig. 19



09/53008

Fig. 20



09/530008

Fig. 21

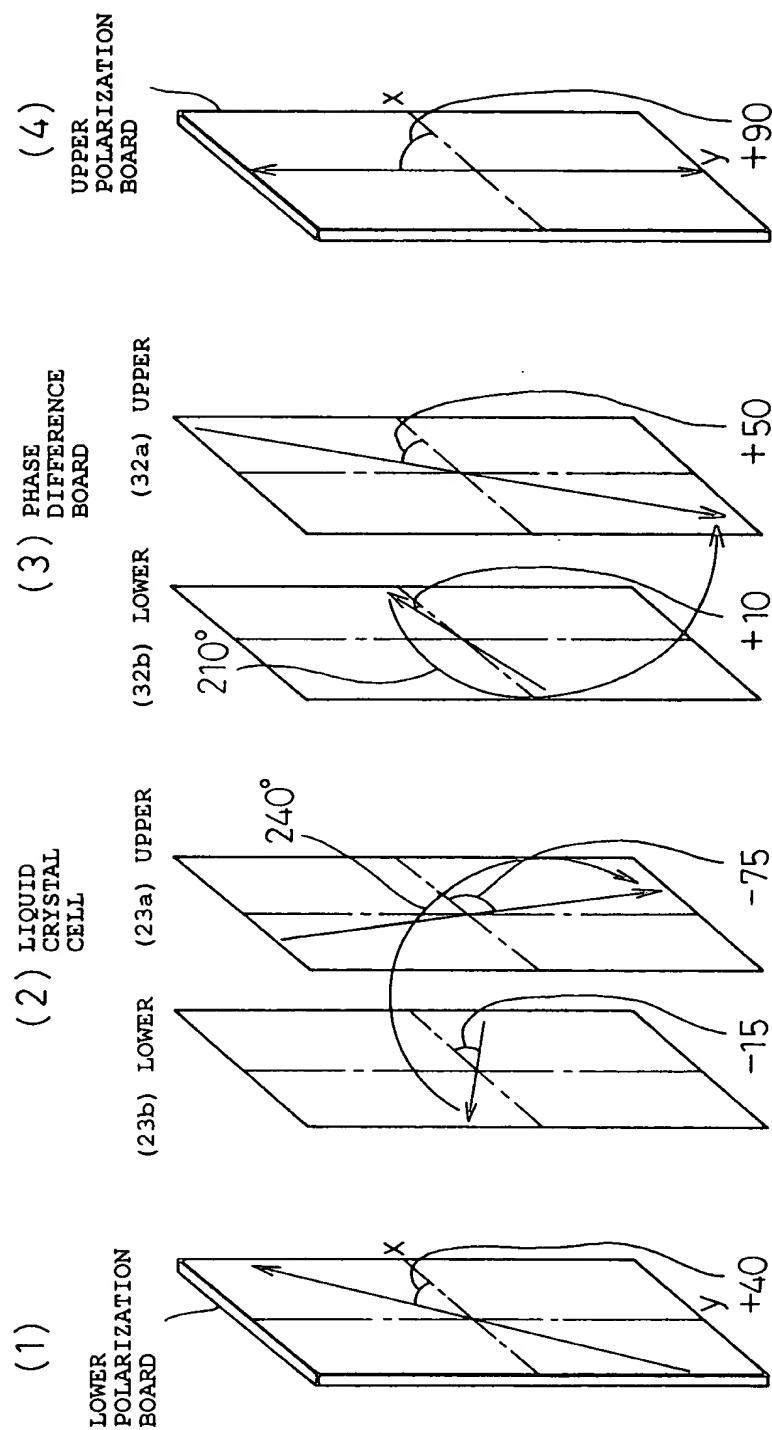


Fig. 22

	220° PHASE DIFFERENCE	TWISTED PHASE DIFFERENCE	200° PHASE DIFFERENCE	PHASE DIFFERENCE BOARD	REMARK
WHITE-Y (x, y)	0.259 NORMAL (0.338, 0.377)	0.260 NORMAL (0.346, 0.387)	0.260 LIGHT GREEN (0.33, 0.366)	0 (v)	
HALF TONE (x, y)	GRAY (0.329, 0.351)	GRAY (0.333, 0.351)	BROWN (0.384, 0.417)	2.05 (v)	
BLACK-Y (x, y)	0.0187 BLUE-BLACK (0.22, 0.194)	0.007 BLACK (0.323, 0.165)	0.021 BLUE-BLACK (0.245, 0.194)	2.15 (v)	
CONTRAST	13	35	11	1.95/2.15	

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Fig.23

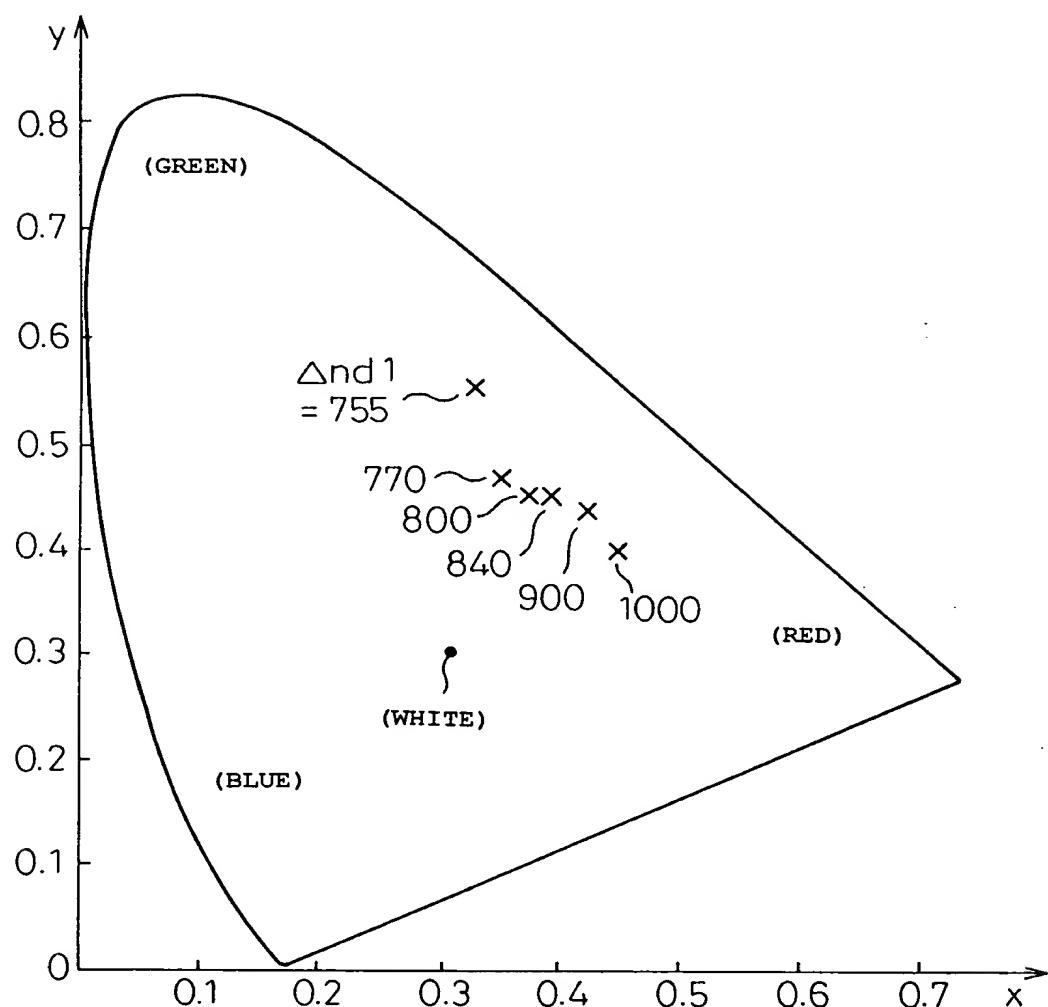


Fig. 24

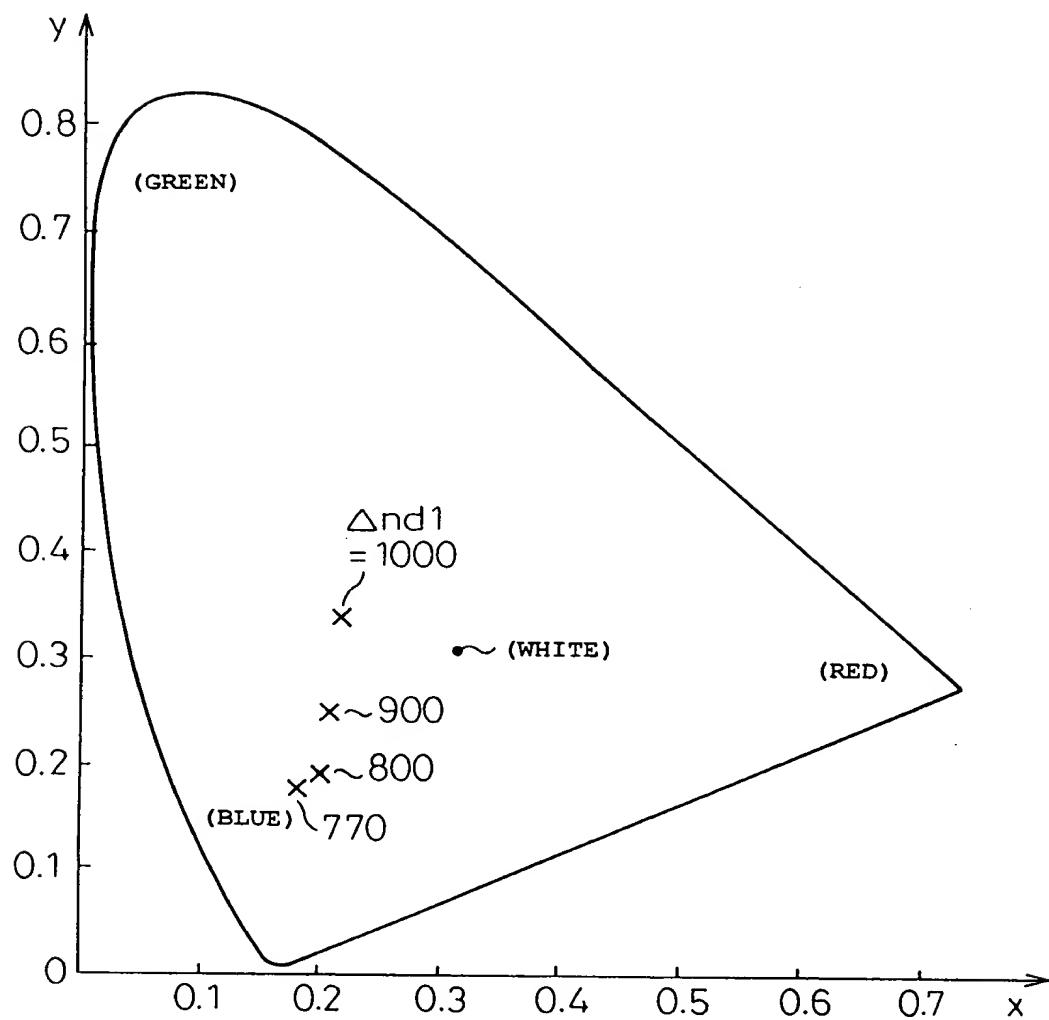


Fig.25A

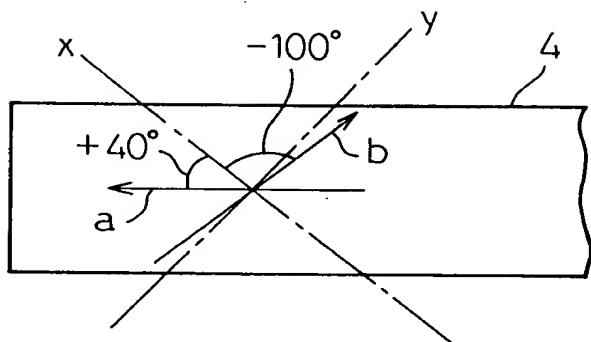


Fig.25B

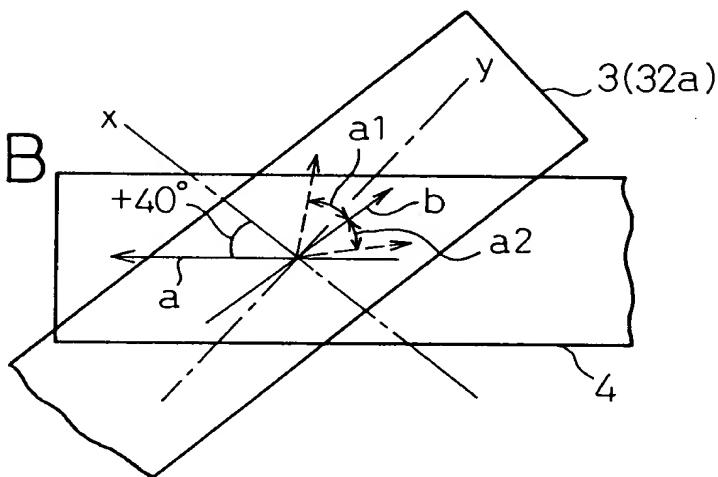


Fig.25C

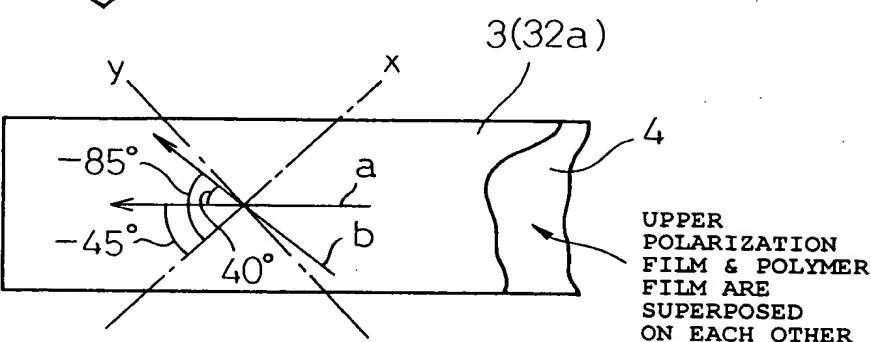


Fig.25D

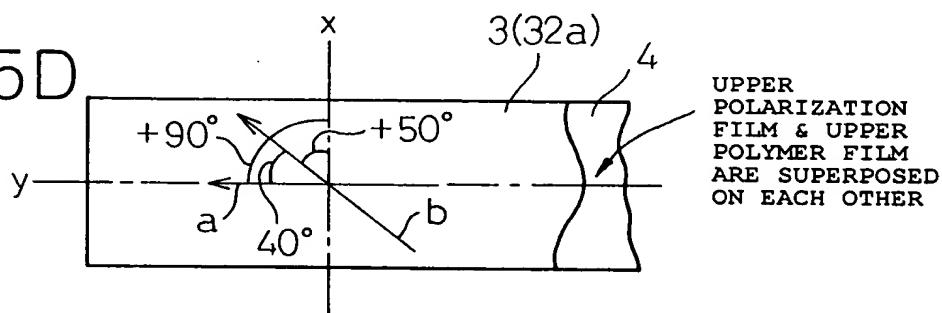
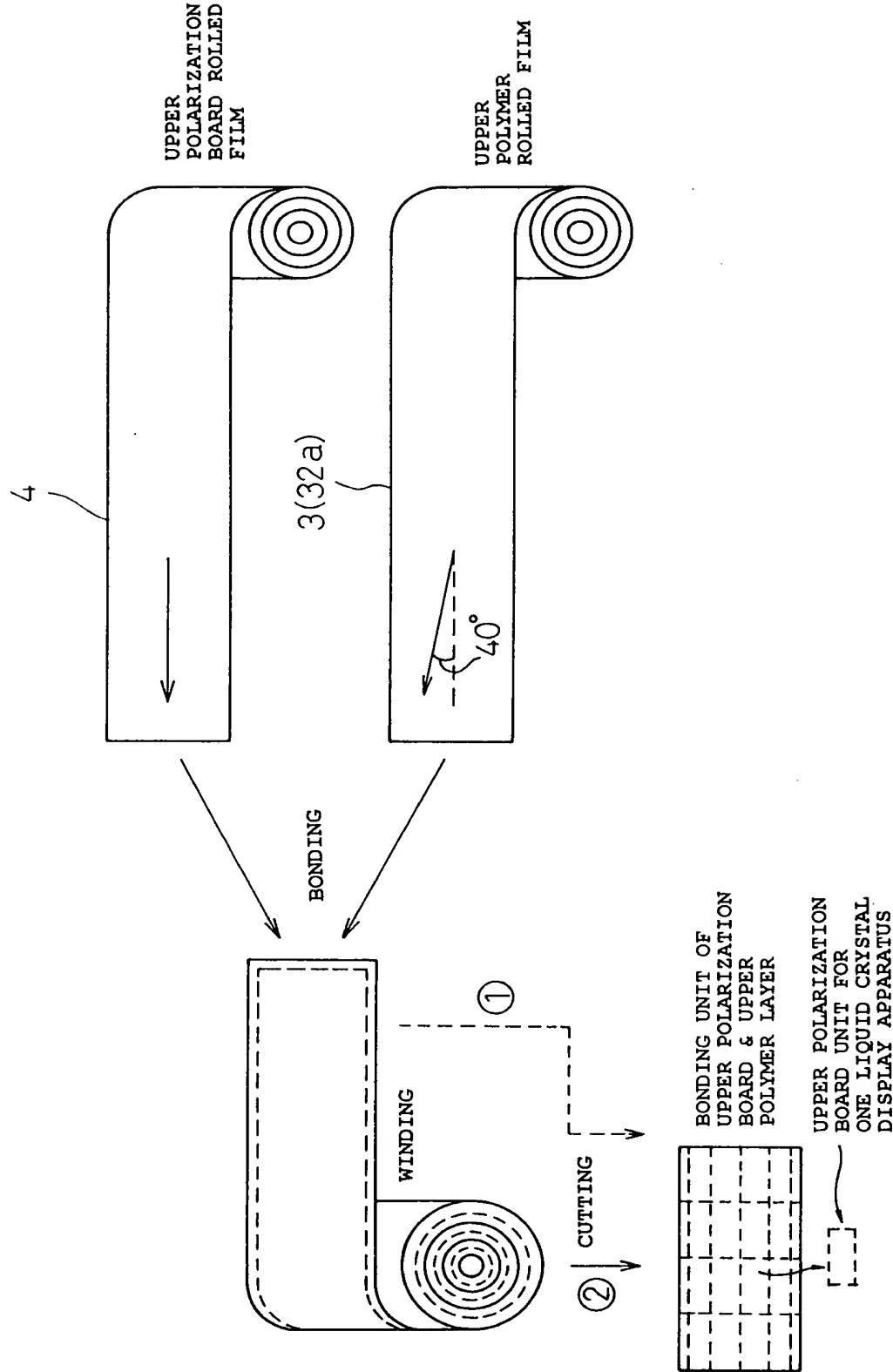


Fig. 26



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Fig. 27

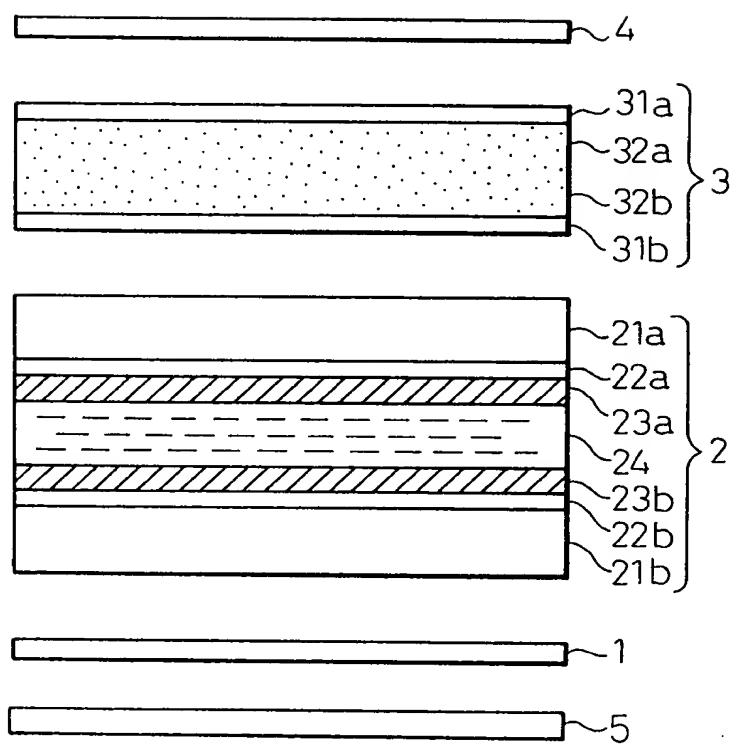


Fig.28

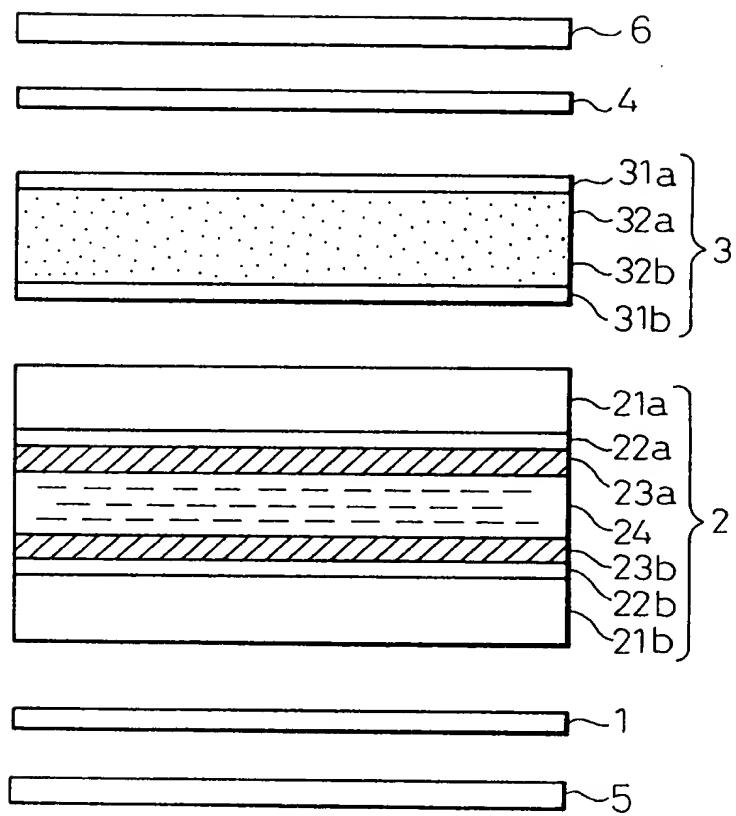


Fig.29

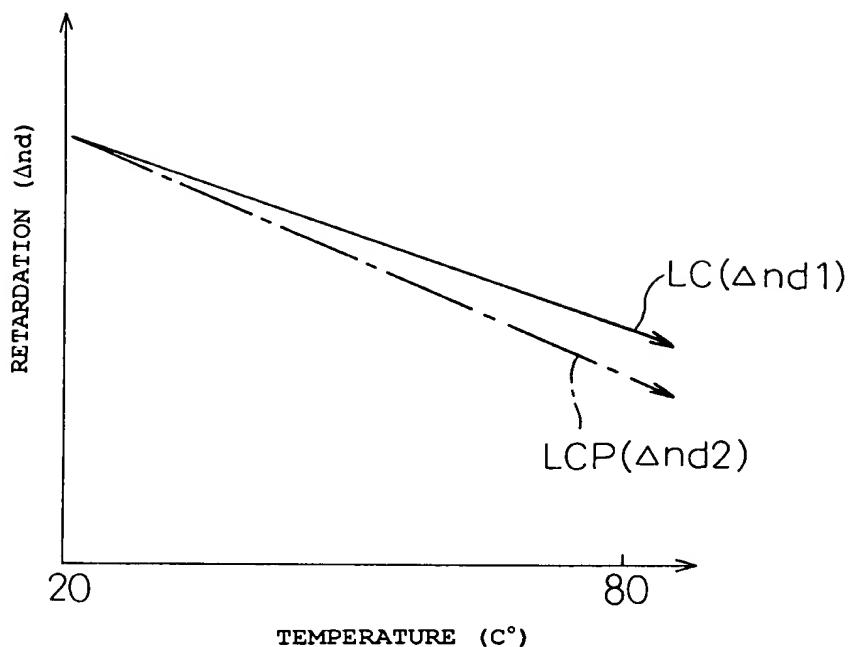
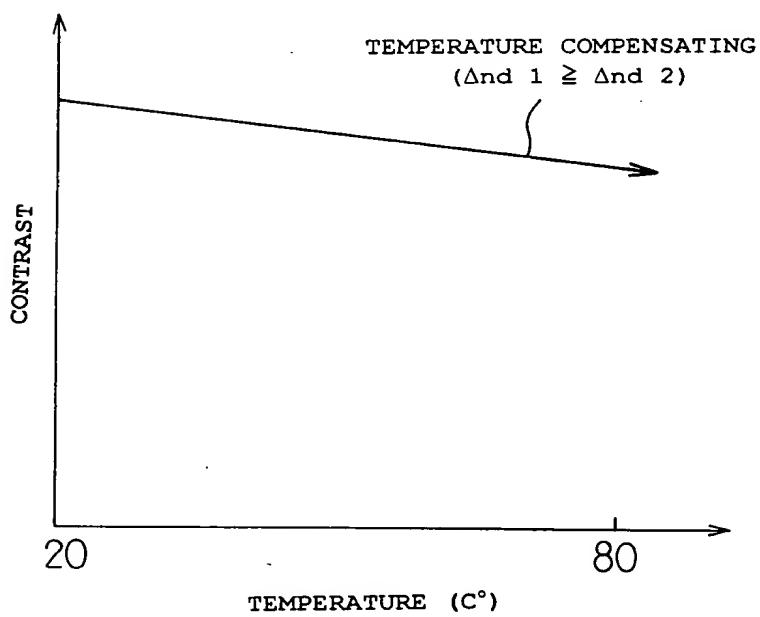


Fig.30



LIST OF REFERENCE CODES

- 1 ... FIRST POLARIZATION BOARD
- 2 ... LIQUID CRYSTAL ELEMENT
- 3 ... TWISTED PHASE DIFFERENCE BOARD
- 4 ... SECOND POLARIZATION BOARD
- 21b ... FIRST SUBSTRATE
- 21a ... SECOND SUBSTRATE
- 22b ... FIRST TRANSPARENT ELECTRODE
- 22a ... SECOND TRANSPARENT ELECTRODE
- 23b ... FIRST ALIGNMENT FILM (LOWER)
- 23a ... SECOND ALIGNMENT FILM (UPPER)
- 24 ... LIQUID CRYSTAL LAYER
- 31a ... HARD COAT LAYER
- 31b ... TRANSPARENT FILM SUBSTRATE
- 32a ... UPPER POLYMER
- 32b ... LOWER POLYMER